GenCore version 4.5

OM nucleic - nucleic search, using sw model

Run on: February 26, 2002, 10:56:34 ; Search time 109 Seconds
(without alignments)
2318.802 Million cell updates/sec

Title: US-09-602-833A-1
Perfect score: 1116
Sequence: 1 atgggacataaagtggttgt.....cttttagccttcaactttga 1116

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 351203 seqs, 113238999 residues

Word size : 0

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_NA:*
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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
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5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	19	1.7	2955	3	US-08-605-150A-11	Sequence 11, Appl
	2	19	1.7	3072	4	US-09-522-217-55	Sequence 55, Appl
	3	18	1.6	1981	3	US-08-747-574-1	Sequence 1, Appli
c	4	18	1.6	2169	5	PCT-US96-05320A-264	Sequence 264, App
c	5	18	1.6	3997	3	US-08-947-823-2	Sequence 2, Appli
c	6	18	1.6	4566	2	US-08-465-976A-1	Sequence 1, Appli
c	7	18	1.6	4566	2	US-08-982-412-1	Sequence 1, Appli
c	8	18	1.6	51952	3	US-08-947-823-1	Sequence 1, Appli
c	9	17	1.5	1666	4	US-09-134-607A-8	Sequence 8, Appli
c	10	17	1.5	1666	4	US-09-134-607A-13	Sequence 13, Appl
c	11	17	1.5	1740	4	US-09-134-607A-10	Sequence 10, Appl
c	12	17	1.5	1740	4	US-09-134-607A-12	Sequence 12, Appl
c	13	17	1.5	1740	4	US-09-134-607A-16	Sequence 16, Appl
	14	17	1.5	1913	2	US-08-588-258B-41	Sequence 41, Appl
	15	17	1.5	1913	5	PCT-US96-08295-41	Sequence 41, Appl
c	16	17	1.5	3982	3	US-08-947-823-4	Sequence 4, Appli
c	17	16	1.4	423	1	US-08-470-179-41	Sequence 41, Appl
c	18	16	1.4	638	1	US-08-469-667-1	Sequence 1, Appli
c	19	16	1.4	638	5	PCT-US95-07289-1	Sequence 1, Appli
	20	16	1.4	773	4	US-08-998-416-564	Sequence 564, App
	21	16	1.4	1854	4	US-09-314-242-1	Sequence 1, Appli
	22	16	1.4	2524	1	US-08-317-522A-1	Sequence 1, Appli
	23	16	1.4	2524	1	US-08-439-818A-1	Sequence 1, Appli
	24	16	1.4	2524	2	US-08-751-965-1	Sequence 1, Appli
	25	16	1.4	2524	2	US-08-738-975-1	Sequence 1, Appli
	26	16	1.4	2524	2	US-08-728-626-1	Sequence 1, Appli
	27	16	1.4	2524	3	US-08-808-599A-1	Sequence 1, Appli
c	28	16	1.4	2553	1	US-07-626-589-1	Sequence 1, Appli
c	29	16	1.4	2553	1	US-08-236-410-1	Sequence 1, Appli
c	30	16	1.4	2553	1	US-08-465-421-1	Sequence 1, Appli
c	31	16	1.4	2876	4	US-09-134-607A-9	Sequence 9, Appli
c	32	16	1.4	2876	4	US-09-134-607A-14	Sequence 14, Appl
c	33	16	1.4	2897	4	US-09-134-607A-11	Sequence 11, Appl
c	34	16	1.4	3265	4	US-09-134-607A-15	Sequence 15, Appl
	35	16	1.4	3865	1	US-08-832-883-48	Sequence 48, Appl
	36	16	1.4	3865	2	US-08-832-877-48	Sequence 48, Appl
	37	16	1.4	3982	3	US-08-947-823-4	Sequence 4, Appli
	38	16	1.4	3997	3	US-08-947-823-2	Sequence 2, Appli
c	39	16	1.4	4061	3	US-08-425-843-1	Sequence 1, Appli
c	40	16	1.4	4651	3	US-08-425-843-6	Sequence 6, Appli
	41	16	1.4	5467	1	US-07-745-206A-12	Sequence 12, Appl
	42	16	1.4	5467	2	US-08-311-363-12	Sequence 12, Appl
c	43	16	1.4	6171	1	US-08-459-568-1	Sequence 1, Appli
c	44	16	1.4	6171	2	US-08-399-411-1	Sequence 1, Appli
c	45	16	1.4	6171	3	US-08-516-859A-1	Sequence 1, Appli

ALIGNMENTS

```
RESULT   1
US-08-605-150A-11
; Sequence 11, Application US/08605150A
; Patent No. 6103520
;  GENERAL INFORMATION:
;    APPLICANT:  Topfer, Reinhard
;    APPLICANT:  Hausmann, Ludger
;    APPLICANT:  Schell, Jozef
;    TITLE OF INVENTION:  GLYCEROL-3-PHOSPHATE DEHYDROGENASE
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klein & Szekeres
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92715
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/605,150A
;      FILING DATE:  01-MAR-1996
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT\EP94\02936
;      FILING DATE:  02-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE P4329827.3
;      FILING DATE:  03-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Szekeres, Gabor L.
;      REGISTRATION NUMBER:  28,675
;      REFERENCE/DOCKET NUMBER:  542-04-PA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-854-5502
;      TELEFAX:  714-854-4897
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2955 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
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;      ORGANISM:  Cuphea lanceolata
;    IMMEDIATE SOURCE:
;      LIBRARY:  Genomic lambda FIX II
;      CLONE:  C1GPDHg3
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  join(1182..1326, 1837..1913, 2010..2082, 2180
;      LOCATION:  ..2397, 2480..2587, 2668..2731, 2848..2885, 2947
;      LOCATION:  ..2955)
US-08-605-150A-11


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Qy    134 aggagtggaactttgtggc 152
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Db   2682 AGGAGTGGAACTTTGTGGC 2700


RESULT   2
US-09-522-217-55
; Sequence 55, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
;  APPLICANT: No. 6307024ak, Julia E.
;  APPLICANT: Presnell, Scott R.
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Holly, Richard D.
;  APPLICANT: Gross, Jane A.
;  APPLICANT: Johnston, Janet V.
;  APPLICANT: Nelson, Andrew J.
;  APPLICANT: Dillon, Stacey R.
;  APPLICANT: Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/522,217
;  CURRENT FILING DATE: 2000-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,547
;  EARLIER FILING DATE: 1999-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,904
;  EARLIER FILING DATE: 1999-03-11
;  EARLIER APPLICATION NUMBER: US 60/142,013
;  EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 55
;    LENGTH: 3072
;    TYPE: DNA
;    ORGANISM: mus musculus
;    FEATURE:
;    NAME/KEY: CDS
;    LOCATION: (54)...(491)
US-09-522-217-55


  Query Match             1.7%;  Score 19;  DB 4;  Length 3072;
  Best Local Similarity   100.0%;  Pred. No. 3.4;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db   1257 tgtgaagatggcaatgaaa 1275


RESULT   3
US-08-747-574-1
; Sequence 1, Application US/08747574
; Patent No. 6015939
;  GENERAL INFORMATION:
;    APPLICANT:  CALGENE, INC.
;    TITLE OF INVENTION:  PLANT VDE GENES AND
;    TITLE OF INVENTION:  METHODS RELATED THERETO
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Calgene, Inc.
;      STREET:  1920 Fifth Street
;      CITY:  Davis
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  95616
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.40 MB
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh 7.5
;      SOFTWARE:  Microsoft Word 5.1a
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/747,574
;      FILING DATE:  No. 6015939ember 7, 1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/023,502
;      FILING DATE:  August 6, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/006,315
;      FILING DATE:  No. 6015939ember 7, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Donna E. Scherer
;      REGISTRATION NUMBER:  34,719
;      NAME:  Carl J. Schwedler
;      REGISTRATION NUMBER:  36,924
;      REFERENCE/DOCKET NUMBER:  119-2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (916) 753-6313
;      TELEFAX:  (916) 753-1510
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1981
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
US-08-747-574-1


  Query Match             1.6%;  Score 18;  DB 3;  Length 1981;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     93 ggtggaaaggcttgagaa 110
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Db   1371 GGTGGAAAGGCTTGAGAA 1388


RESULT   4
PCT-US96-05320A-264/c
; Sequence 264, Application PC/TUS9605320A
;  GENERAL INFORMATION:
;    APPLICANT:  Human Genome Sciences
;    APPLICANT:  9410 Key West Avenue
;    APPLICANT:  Rockville, MD 20850
;    APPLICANT:  United States of America
;    APPLICANT:  Johns Hopkins University
;    APPLICANT:  720 Rutland Avenue
;    APPLICANT:  Baltimore, MD 21205
;    APPLICANT:  United States of America
;    APPLICANT:  Mark D. Adams
;    APPLICANT:  Owen White
;    APPLICANT:  Hamilton O. Smith
;    APPLICANT:  J. Craig Venter
;    TITLE OF INVENTION:  Nucleotide Sequence of the Haemophilus Influenzae Rd Genom
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox
```

```
;       STREET:  1100 New York Avenue, Suite 600
;       CITY:  Washington
;       STATE:  D.C.
;       COUNTRY:  USA
;       ZIP:  20003-3934
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3.50 inch, 1.4Mb storage
;       COMPUTER:  HP Vectra 486/33
;       OPERATING SYSTEM:  MSDOS version 6.2
;       SOFTWARE:  ASCII Text
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/05320A
;       FILING DATE:  April22, 1996
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/476,102
;       FILING DATE:  June 7, 1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/487,429
;       FILING DATE:  June 7, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Eric K. Steffe
;       REGISTRATION NUMBER:  36,688
;       REFERENCE/DOCKET NUMBER:  1488.014PC01
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202) 371-2600
;       TELEFAX:  (202) 371-2540
;   INFORMATION FOR SEQ ID NO:  264:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  2169 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
PCT-US96-05320A-264


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  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    668 caaacaagttttccagtg 685
          ||||||||||||||||||
Db   2092 CAAACAAGTTTTCCAGTG 2075


RESULT   5
US-08-947-823-2/c
; Sequence 2, Application US/08947823
; Patent No. 6114605
;  GENERAL INFORMATION:
;    APPLICANT:  Williamson, Valerie M.
;    APPLICANT:  Kaloshian, Isgouhi
;    APPLICANT:  Yaghoobi, Jafar
;    APPLICANT:  Bodeau, John
;    APPLICANT:  Milligan, Stephen
;    TITLE OF INVENTION:  Procedures and Materials for Conferring
;    TITLE OF INVENTION:  Pest Resistance in Plants
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/947,823
;      FILING DATE:  09-OCT-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US97/18802
;      FILING DATE:  09-OCT-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/028,191
;      FILING DATE:  10-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bastian, Kevin L.
;      REGISTRATION NUMBER:  34,774
;      REFERENCE/DOCKET NUMBER:  02307O-070210US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3997 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  85..3852
;      OTHER INFORMATION:  /note= "Copy 1 cDNA for M1 nematode
;      OTHER INFORMATION:  resistance gene of tomato"
US-08-947-823-2


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Db   3370 CGTTTGTGTTTGAACTTT 3353


RESULT   6
US-08-465-976A-1/c
; Sequence 1, Application US/08465976A
; Patent No. 5869632
;  GENERAL INFORMATION:
;    APPLICANT:  SOPPET, DANIEL R
;    APPLICANT:  LI, YI
;    APPLICANT:  ROSEN, CRAIG A
;    APPLICANT:  RUBEN, STEVEN M
;    TITLE OF INVENTION:  HUMAN G-PROTEIN RECEPTOR
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN GILFILLAN, CECCHI
;      ADDRESSEE:  STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,976A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  FERRARO, GREGORY F
;      REGISTRATION NUMBER:  36,134
;      REFERENCE/DOCKET NUMBER:  325800-444
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (201) 994-1700
;      TELEFAX:  (201) 994-1744
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;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4566 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  212..2863
US-08-465-976A-1


  Query Match             1.6%;  Score 18;  DB 2;  Length 4566;
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  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db    3833 ATAAAGGAGGAGTGGAAC 3816


RESULT   7
US-08-982-412-1/c
; Sequence 1, Application US/08982412
; Patent No. 5958729
;  GENERAL INFORMATION:
;    APPLICANT:  SOPPET, DANIEL R
;    APPLICANT:  LI, YI
;    APPLICANT:  ROSEN, CRAIG A
;    APPLICANT:  RUBEN, STEVEN M
;    TITLE OF INVENTION:  HUMAN G-PROTEIN RECEPTOR
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HUMAN GENOME SCIENCES, INC.
;      STREET:  9410 KEY WEST AVENUE
;      CITY:  ROCKVILLE,
;      STATE:  MD
;      COUNTRY:  US
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/982,412
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROOKES, ANDERS A
;      REGISTRATION NUMBER:  36,373
;      REFERENCE/DOCKET NUMBER:  PF181PCT2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (301) 309-8504
;      TELEFAX:  (301) 309-8439
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4566 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  212..2863
US-08-982-412-1


  Query Match             1.6%;  Score 18;  DB 2;  Length 4566;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT   8
US-08-947-823-1/c
; Sequence 1, Application US/08947823
; Patent No. 6114605
;  GENERAL INFORMATION:
;    APPLICANT:  Williamson, Valerie M.
;    APPLICANT:  Kaloshian, Isgouhi
;    APPLICANT:  Yaghoobi, Jafar
;    APPLICANT:  Bodeau, John
;    APPLICANT:  Milligan, Stephen
;    TITLE OF INVENTION:  Procedures and Materials for Conferring
;    TITLE OF INVENTION:  Pest Resistance in Plants
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/947,823
;      FILING DATE:  09-OCT-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US97/18802
;      FILING DATE:  09-OCT-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/028,191
;      FILING DATE:  10-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bastian, Kevin L.
;      REGISTRATION NUMBER:  34,774
;      REFERENCE/DOCKET NUMBER:  02307O-070210US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  51952 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-947-823-1


  Query Match             1.6%;  Score 18;  DB 3;  Length 51952;
  Best Local Similarity   100.0%;  Pred. No. 12;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     299 cgtttgtgtttgaacttt 316
           ||||||||||||||||||
Db   48462 CGTTTGTGTTTGAACTTT 48445


RESULT   9
US-09-134-607A-8/c
; Sequence 8, Application US/09134607A
; Patent No. 6252141
;  GENERAL INFORMATION:
;    APPLICANT:  Joseph Hirschberg et al.
;    TITLE OF INVENTION:  POLYNUCLEOTIDES CONTROLLING THE EXPRESSION
```

```
;    TITLE OF INVENTION:  OF AND CODING FOR GENE B IN TOMATO AND USE
;    TITLE OF INVENTION:  OF SAME FOR ALTERING CAROTENOID
;    TITLE OF INVENTION:  BIOSYNTHESIS
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Anthony Castorina
;      STREET:  20001 Jefferson Davis Highway, Suite 207
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  United States of America
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Twinhead, Slimnote 890TX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.11
;      SOFTWARE:  Word for Windows version 2.0,
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/134,607A
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  325/12
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-5625553
;      TELEFAX:  972-3-5625554
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1666
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-09-134-607A-8


  Query Match             1.5%;  Score 17;  DB 4;  Length 1666;
  Best Local Similarity   100.0%;  Pred. No. 35;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      98 aaaggcttgagaagagc 114
           |||||||||||||||||
Db      23 AAAGGCTTGAGAAGAGC 7


RESULT  10
US-09-134-607A-13/c
; Sequence 13, Application US/09134607A
; Patent No. 6252141
;  GENERAL INFORMATION:
;    APPLICANT:  Joseph Hirschberg et al.
;    TITLE OF INVENTION:  POLYNUCLEOTIDES CONTROLLING THE EXPRESSION
;    TITLE OF INVENTION:  OF AND CODING FOR GENE B IN TOMATO AND USE
;    TITLE OF INVENTION:  OF SAME FOR ALTERING CAROTENOID
;    TITLE OF INVENTION:  BIOSYNTHESIS
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Anthony Castorina
;      STREET:  20001 Jefferson Davis Highway, Suite 207
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  United States of America
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Twinhead, Slimnote 890TX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.11
;      SOFTWARE:  Word for Windows version 2.0,
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/134,607A
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  325/12
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-5625553
;      TELEFAX:  972-3-5625554
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1666
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-09-134-607A-13


  Query Match             1.5%;  Score 17;  DB 4;  Length 1666;
  Best Local Similarity   100.0%;  Pred. No. 35;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      98 aaaggcttgagaagagc 114
           |||||||||||||||||
Db      23 AAAGGCTTGAGAAGAGC 7


RESULT  11
US-09-134-607A-10/c
; Sequence 10, Application US/09134607A
; Patent No. 6252141
;  GENERAL INFORMATION:
;    APPLICANT:  Joseph Hirschberg et al.
;    TITLE OF INVENTION:  POLYNUCLEOTIDES CONTROLLING THE EXPRESSION
;    TITLE OF INVENTION:  OF AND CODING FOR GENE B IN TOMATO AND USE
;    TITLE OF INVENTION:  OF SAME FOR ALTERING CAROTENOID
;    TITLE OF INVENTION:  BIOSYNTHESIS
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Anthony Castorina
;      STREET:  20001 Jefferson Davis Highway, Suite 207
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  United States of America
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Twinhead, Slimnote 890TX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.11
;      SOFTWARE:  Word for Windows version 2.0,
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/134,607A
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  325/12
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-5625553
;      TELEFAX:  972-3-5625554
;      TELEX:
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;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1740
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-09-134-607A-10


  Query Match             1.5%;  Score 17;  DB 4;  Length 1740;
  Best Local Similarity   100.0%;  Pred. No. 35;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      98 aaaggcttgagaagagc 114
           |||||||||||||||||
Db      23 AAAGGCTTGAGAAGAGC 7


RESULT  12
US-09-134-607A-12/c
; Sequence 12, Application US/09134607A
; Patent No. 6252141
;  GENERAL INFORMATION:
;    APPLICANT:  Joseph Hirschberg et al.
;    TITLE OF INVENTION:  POLYNUCLEOTIDES CONTROLLING THE EXPRESSION
;    TITLE OF INVENTION:  OF AND CODING FOR GENE B IN TOMATO AND USE
;    TITLE OF INVENTION:  OF SAME FOR ALTERING CAROTENOID
;    TITLE OF INVENTION:  BIOSYNTHESIS
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Anthony Castorina
;      STREET:  20001 Jefferson Davis Highway, Suite 207
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  United States of America
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Twinhead, Slimnote 890TX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.11
;      SOFTWARE:  Word for Windows version 2.0,
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/134,607A
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  325/12
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-5625553
;      TELEFAX:  972-3-5625554
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1740
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-09-134-607A-12


  Query Match             1.5%;  Score 17;  DB 4;  Length 1740;
  Best Local Similarity   100.0%;  Pred. No. 35;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      98 aaaggcttgagaagagc 114
           |||||||||||||||||
Db      23 AAAGGCTTGAGAAGAGC 7


RESULT  13
US-09-134-607A-16/c
; Sequence 16, Application US/09134607A
; Patent No. 6252141
;  GENERAL INFORMATION:
;    APPLICANT:  Joseph Hirschberg et al.
;    TITLE OF INVENTION:  POLYNUCLEOTIDES CONTROLLING THE EXPRESSION
;    TITLE OF INVENTION:  OF AND CODING FOR GENE B IN TOMATO AND USE
;    TITLE OF INVENTION:  OF SAME FOR ALTERING CAROTENOID
;    TITLE OF INVENTION:  BIOSYNTHESIS
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Anthony Castorina
;      STREET:  20001 Jefferson Davis Highway, Suite 207
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  United States of America
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Twinhead, Slimnote 890TX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.11
;      SOFTWARE:  Word for Windows version 2.0,
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/134,607A
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  325/12
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-5625553
;      TELEFAX:  972-3-5625554
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1740
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-09-134-607A-16


  Query Match             1.5%;  Score 17;  DB 4;  Length 1740;
  Best Local Similarity   100.0%;  Pred. No. 35;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      98 aaaggcttgagaagagc 114
           |||||||||||||||||
Db      23 AAAGGCTTGAGAAGAGC 7


RESULT  14
US-08-588-258B-41
; Sequence 41, Application US/08588258B
; Patent No. 5929207
;  GENERAL INFORMATION:
;    APPLICANT:  H. Robert Horvitz et al.
;    TITLE OF INVENTION:  REGULATORS OF G-PROTEIN SIGNALLING
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Clark & Elbing LLP
;      STREET:  176 Federal Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
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;       ZIP:  02110
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  Windows 95
;       SOFTWARE:  FastSeq Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/588,258B
;       FILING DATE:  January 12, 1996
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Bieker-Brady, Kristina
;       REGISTRATION NUMBER:  39,109
;       REFERENCE/DOCKET NUMBER:  01997/216001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  617-428-0200
;       TELEFAX:  617-428-7045
;       TELEX:
;  INFORMATION FOR SEQ ID NO:  41:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1913 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-588-258B-41


  Query Match             1.5%;  Score 17;  DB 2;  Length 1913;
  Best Local Similarity   100.0%;  Pred. No. 35;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    229 gacaagattgaaaggaa 245
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Db    398 GACAAGATTGAAAGGAA 414


RESULT  15
PCT-US96-08295-41
; Sequence 41, Application PC/TUS9608295
;  GENERAL INFORMATION:
;     APPLICANT:  Massachusetts Institute of Technology
;     TITLE OF INVENTION:  REGULATORS OF G-PROTEIN SIGNALLING
;     NUMBER OF SEQUENCES:  41
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Fish & Richardson P.C.
;       STREET:  225 Franklin Street
;       CITY:  Boston
;       STATE:  MA
;       COUNTRY:  USA
;       ZIP:  02110-2804
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/08295
;       FILING DATE:  31-MAY-1996
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/588,258
;       FILING DATE:  12-JAN-96
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Bieker-Brady, Kristina
;       REGISTRATION NUMBER:  39,109
;       REFERENCE/DOCKET NUMBER:  01997/216001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  617/542-5070
;       TELEFAX:  617/542-8906
;       TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  41:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1913 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
PCT-US96-08295-41


  Query Match             1.5%;  Score 17;  DB 5;  Length 1913;
  Best Local Similarity   100.0%;  Pred. No. 35;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    229 gacaagattgaaaggaa 245
          |||||||||||||||||
Db    398 GACAAGATTGAAAGGAA 414


Search completed: February 26, 2002, 13:18:08
Job time: 8494 sec
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